

Burnt Fly Bog

Marlboro Township, Monmouth County

September 14, 2004

Burnt Fly Bog

Uplands Area:

The uplands area continues to be maintained by the NJDEP Bureau of Maintenance and Monitoring. Maintenance measures include cutting Uplands Area grasses and insuring the integrity of the existing cap by routine inspections. Sampling ground water at the newly installed monitor wells located in the capped uplands and at a background location to ascertain ground water quality and flow direction will also be conducted.

Westerly Wetlands, Northerly Wetlands and Tar Patch Area:

Excavation and off-site disposal of approximately 55,000 tons of polychlorinated biphenyls (PCB) and lead contaminated soil from the Northerly Wetlands and Tar Patch Area was completed this spring. Excavation was followed by a wetlands restoration project that included the planting of approximately 9,500 bushes, small trees and groundcover in the two areas. A replanting of approximately 1,300 plants will begin this fall to achieve an 85% success rate for the new growth.

Longterm Monitoring:

NJDEP continues to maintain the sedimentation basin, including mowing and upkeep of the berm and gravel road around the basin. Quarterly sampling of the surface water and sediments in Burnt Fly Brook is also continuing as usual. PCBs and lead have consistently been reported as being either not detected or at very low levels.

Long term monitoring will begin once all remedial activities have been completed. The monitoring will include sediment and surface water sampling in the Westerly Wetlands, Burnt Fly Brook and the Sedimentation Basin, and ground water sampling at monitor wells around the Sedimentation Basin and in the Uplands Area. EPA will perform a one-time biota sampling event of small mammal species in the Westerly Wetlands during the spring of 2005 and compare the results to the 1992 Report (Final Report Ecological Assessment for Burnt Fly Brook, Marlboro, NJ June 1992). Newly created wetlands within the Northerly Wetlands and Tar Patch Area will be monitored for 7 years to insure proper restoration of the wetland environment. The goal of the Long Term Monitoring Plan is to assess the effectiveness and performance of the remedial action and insure the protection of human health and ecological receptors.

